BRUHAT BANGALORE MAHANAGARA PALIKE
SCHEDULE-B

Name of Work: Repairs and Improvement to Roads Mandi Mariyappa Reddy main road in Mariyannapalya inward No.07 Byatarayanapura

Major Works Committee BBMP, meeting subject no 12/2019-20 Dated 07.09.201(Sl no 121)

Issued To :

Executive Engineer-4/
Karnataka Rural Infrastructure Development Limited (KRIDL)
BBMP Division, Sri Shivakumar Swamy Nilaya,
No. 280, 59th cross, 17th C Main Road,
3rd Y Block, Rajajinagar,
Bangalore.

Item no	Qty	Unit	Description	Approved Unit Rate in Rs	
				In Figures	In words
1	288.00	Sqm	Removing and refixing stone slabs of drains and pointing in CM (1:3) including all lead and lead including loading and unloading and specifications as per the direction of engineer in charge	111.30	Rupees One Hundred Eleven And Paise Thirty Only
2	430.90	Cum	KSRRB 300-1. Earthwork excavation by manual means for roads, drains & similar works in ordinary soil excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications including all lead and lead including loading and unloading and specifications as per the direction of engineer in charge	214.50	Rupees Two Hundred Fourteen And Paise Fifty Only
3	2443.38	Cum	KSRRB M300-14. Excavation for roadwork in all types of soil by mechanical means including cutting and loading to tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transportation with a lead of 6.00 km and complete as per specifications including all lead and lead including loading and unloading and specifications as per the direction of engineer in charge	57.02	Rupees Fifty Seven And Paise Two Only

EXECUTIVE ENGINEER-4
KRIDL BBMP DIVISION
BENGALURU

EXECUTIVE ENGINEER (RI-Yelahanka)

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Item no	Qty	Unit	Description	Approved Unit Rate in Rs	
				In Figures	In words
12	2220.00	Nos	Providing and fixing pre cast solid cement concrete kerb stones made out of CC 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting including formwork, curing, including cost of materials, labour charges of machinery, loading and unloading, lead and lift, transportation etc.,complete including all lead and lead including loading and unloading and specifications as per the direction of engineer in charge	432.48	Rupees Four Hundred Thirty Two And Paise Forty Eight Only
13	333.00	Sqm	KSRRB 800-1. Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications including all lead and lead including loading and unloading and specifications as per the direction of engineer in charge	84.80	Rupees Eighty Four And Paise Eighty Only
14	500.07	Cum	Construction of granular sub-base Grading-V as Sub-base and drainage layer by providing coarse graded crushed stone aggregates of granite/trap/basalt material, mixing by mix in place method by rotavator at OMC,spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the 98 % proctor density, complete as per specifications including all lead and lead including loading and unloading and specifications as per the direction of engineer in charge	1855.00	Rupees One Thousand Eight Hundred Fifty Five Only
15	1187.11	Cum	KSRRB M400-17. Providing, laying, spreading and compacting cushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed materials by tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications including all lead and lead including loading and unloading and specifications as per the direction of engineer in charge	2001.28	Rupees Two Thousand One And Paise Twenty Eight Only
16	8333.50	Sqm	KSRRB M 500-6, Providing and applying primer coat with SS bitumen emulsion on prepared surface of granular Base such as WBM WMM including clearing of road surface and spraying primer at the rate of 0.60 kglsqm using mechanical means complete as per specifications including all lead and lead including loading and unloading and specifications as per the direction of engineer in charge	29.68	Rupees Twenty Nine And Paise Sixty Eight Only

EXECUTIVE ENGINEER-4
KRIDL, BENGALURU-560 010

CONTRACTOR

EXECUTIVE ENGINEER (RI-Yelahanka)

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Item no	Qty	Unit	Description	Approved Unit Rate in Rs	
				In Figures	In words
17	5273.50	Sqm	KSRRB 500-2. Cleaning the existing black topped surface with brooms, soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous treatment including cost of all materials, labour, HOM complete as per specifications including all lead and lead including loading and unloading and specifications as per the direction of engineer in charge	5.30	Rupees Five And Paise Thirty Only
18	8333.50	Sqm	KSRRB 500-7. Providing and applying tack coat using 80/100 grade bitumen(VG10) on the prepared black topped surfaces at 2.5 kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM complete as per specifications including all lead and lead including loading and unloading and specifications as per the direction of engineer in charge	12.72	Rupees Twelve And Paise Seventy Two Only
19	416.68	Cum	KSRRB M500-17. Providing and laying dense graded bituminous macadam using crushed aggregates of specified grading, premixed with VG30 grade bituminous binder and, transporting the hot mix to work site, laying to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications Clause 505 of MORTH V revisionusing 40/60 TPH capacity H.M.P. with Mechanical paver Gr-II (50 mm to 75 mm) with 4.5 % VG-30 Bitumen including all lead and lead including loading and unloading and specifications as per the direction of engineer in charge	6858.20	Rupees Six Thousand Eight Hundred Fifty Eight And Paise Twenty Only
20	321.84	Cum	Providing and laying bituminous concrete 40mm thick with hot mix plant, using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications. Clause 507 of MORTH V revision as per IRC SP-53-2015. using – do – using 40-60 TPH capacity HMP with mechanical paver grading II (30-45mm) with 5.4 % of modified bituminus binder consisting of 4.97% of VG-30 bitumen (60/70 grade) and 0.43% of plastomeric thermoplastics (waste plastic) including all lead and lead including loading and unloading and specifications as per the direction of engineer in charge	8049.64	Rupees Eight Thousand Forty Nine And Paise Sixty Four Only

EXECUTIVE ENGINEER-4
KRDCL, CONTRACTOR

EXECUTIVE ENGINEER (RI-Yelahanka)

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Item no	Qty	Unit	Description	Approved Unit Rate in Rs	
				In Figures	In words
21	284.75	Sqm	KSRRB M800-13.Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface/ Concrete Surface: Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35 standards specified. The finished surface to be level, uniform and free from streaks and holes complete as per specifications including all lead and lead including loading and unloading and specifications as per the direction of engineer in charge	454.74	Rupees Four Hundred Fifty Four And Paise Seventy Four Only
22	240.00	Nos	KSRRB M800-35. Supply and Installtion of Moulded Shank Raised Pavement Markers made of polycarbonate and ABS(Acrylonitrile Butadiene Styrene) moulded body and reflective panels with micro prismatic lens capable of providing total internal reflection of the light entering the lens face and shall support a load of 16000 kg tested in accordance to Specifications of Category A of MORTH Circular No RW/ NH/33023/10-97 – DO III Dt 11.06. 1997. The height, width and length shall not exceed 50 mm, 100 mm and 102 mm and with minimum reflective area of 13 Sqcm on each side and the slope to the base shall be 35 degree. The strength of detachment of the integrated cylindrical shanks, (of diameter not less than 19 mm and height not less than 30 mm) from the body is to be a minimum value of 500 Kg. Fixing will be by drilling holes on the road for the shanks to go inside, without nails and using epoxy resin based adhesive as per manufacturer's recommendation and complete as directed by the engineer including all lead and lead including loading and unloading and specifications as per the direction of engineer in charge	357.22	Rupees Three Hundred Fifty Seven And Paise Twenty Two Only

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KRIDL CONTRACTOR

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